

## CLIMATE ACTION PLAN & ENERGY REACH/EV CODE UPDATE

March 23, 2021 City Council Meeting



#### CAP CITY EFFORTS

Energy (Community)

Energy (Municipal)

Transportation (Municipal)

Transportation & Land Use

Waste

Water

### CITY OF BELMONT



## ENERGY-COMMUNITY

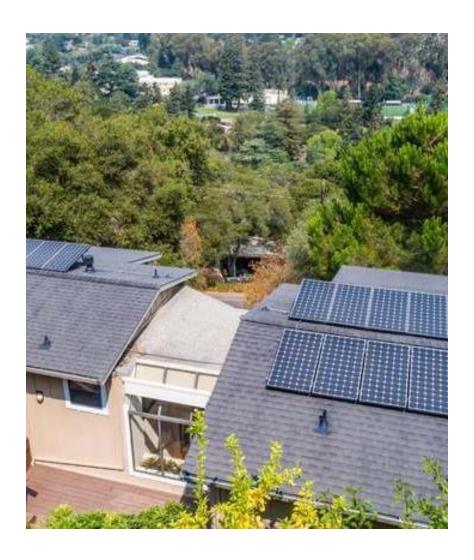
- Commercial/Residential Green Building Ordinance
- Incentivize Solar Energy Installation
- Energy Rebate/Incentive Program Participation
- Promote PG&E Energy Efficient Programs





# Commercial & Residential Green Building Ordinance

The City adopted the CalGreen State Building Code, which went into effect January 1, 2020.



#### Incentivize Solar Energy Installation

The City encourages installation of solar energy systems and offers over-the-counter plan reviews, low-cost permit fees, and streamlined inspections.

Solar energy systems include photovoltaic installations, solar domestic water heating, and solar pool heating.

The City adopted a Streamlined Solar Permit Ordinance in accordance with Assembly Bill No. 2188, which mandates the expeditious processing of solar permits.



# Energy Rebate/Incentive Program Participation

- Support & market residential energy audits and retrofits
- Leverage existing rebates/add additional rebates for energy efficient retrofits

#### Environmental Sustainability





















#### Promote PG&E Energy Efficient Programs

The City promotes California First Smart Home, PACE Financing, and PCE energy and water efficient programs, rebates and incentives via the Environmental Sustainability Page and social media platforms.

Additionally, the City holds an Annual Earth Day Event where energy efficient and sustainable businesses and agencies can provide information and share rebate and incentive programs to residents.



#### Clean Renewable Energy

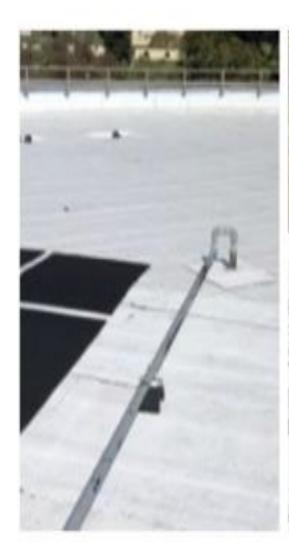
The City joined the EPA's Green Power Partnership to help reduce negative health impacts of air emissions through the use of green power.

The City exceeds EPA guidelines for buying clean renewable energy.

## ENERGY-MUNICIPAL

- Municipal Green Building Policy
- Environmental Purchasing Policy
- Energy Efficiency in Buildings
- Energy Efficient Street Lighting
- Renewable Energy Installation







#### Municipal Green Building Policy

Community Center conceptual design report includes sustainability measures to be incorporated into further building design.

New Title-24 compliant, reflective roof installations:

- City Hall (2019)
- Twin Pines Senior/Community Center (2020)



# Environmental Purchasing Policy

- City will be evaluating battery-operated maintenance tools and equipment
- City will evaluate additional programs & initiatives furthering this measure



#### Energy Efficiency in Municipal Buildings

- Energy efficient lighting installed at Belmont Library, Lodge, Senior and Community Center, Parks Office, Cipriani Dog Park and the Sports Complex.
- HVAC retrofitting at City Hall and the library was also completed.

#### Average Annual Savings:

\*Energy: 130K/yr

\*Electrical: over 500K

kWh/yr.

\*Gas: over 25K therms/yr.



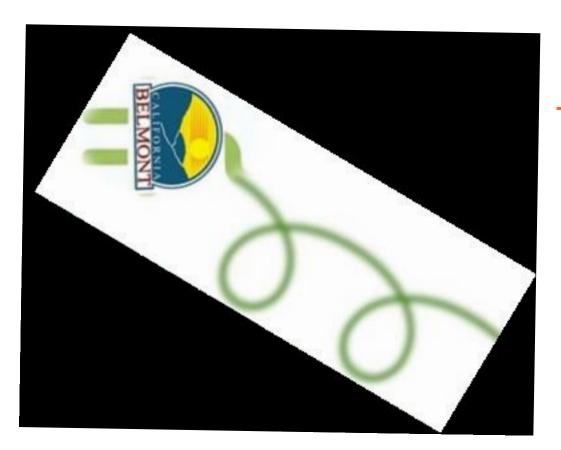
# Energy Efficient Street Lighting

The City has converted all of its lighting to LED.

- 1,057 Cobra head style
- 148 Lantern style
- 25 Globe style
- 145 Bike Bridge pathway lights

LED's use 80-90% less energy, resulting in cost savings of approx. \$30,000/yr

Significantly longer lifespans result in less maintenance, which cuts down on service calls, which in turn reduces vehicle emissions.



#### Renewable Energy Installation

The City participates in the Peninsula Clean Energy and Community and Community Choice Aggregation Program.

Additionally, the City opted up to the ECO 100 option (100% renewable energy) for all facilities.

This action will result in 100% reduction in municipal operations electricity emissions, and an estimated 331 MT CO2e decrease in emissions for 2020.

## TRANSPORTATION MUNICIPAL

- Efficient Fleet Policy
- Flexible Schedules
- Adoption of low emission vehicles



#### EFFICIENT FLEET POLICY

- The Public Works
   Fleet Management
   Division has
   begun phasing out
   older model
   vehicles and on/off
   road equipment
- Replaced equipment will include a more fuelefficient engine with the latest emission reducing technology



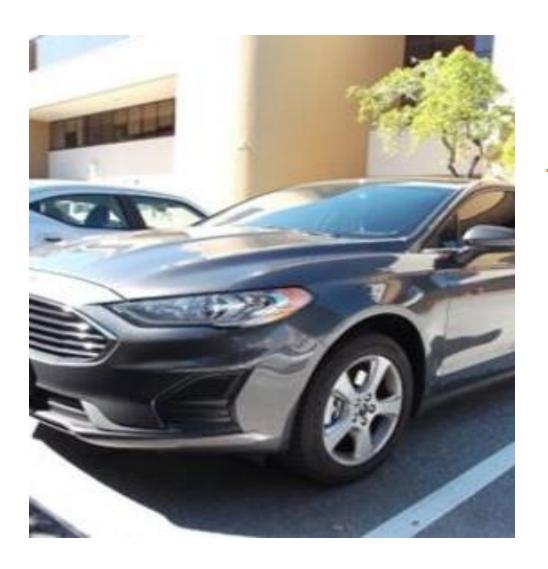
## EV Charging Stations

The City has conducted site assessments for EV charging stations at City Hall and the Manor House, and has applied for CalVIP funding for EV chargers.



#### FLEXIBLE SCHEDULES

 The City has established a flex-schedule program to allow modified work hours and facilitate reduced employee vehicle trips



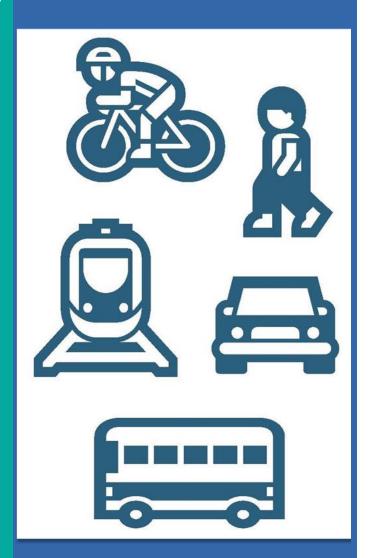
#### ADOPTION OF LOW EMMISSIONS VEHICLES

- City fleet vehicles
   are scheduled to be replaced
   with more fuel-efficient engines
   and equipped with the latest
   emission reducing technology.
- Two hybrid vehicles were placed into service and others are scheduled for purchase.
- The City also applied for a grant to purchase electric vehicle charging stations and, in the future, electric vehicles will be purchased beginning with pool cars and other light duty vehicles.

## TRANSPORTATION AND LAND USE



- Smart Growth Development
- Walkable/Bikeable Street Landscape
- Bike and Car Sharing





#### SMART GROWTH DEVELOPMENT

The City has adopted a TDM Program and established a Smart Growth Policy for the ECR corridor that prioritizes infill, higher density, transportation oriented, and mixed-use development.



# WALKABLE & BIKABLE STREET LANDSCAPES

The Ralston Ave Corridor Improvement Project focuses on making Ralston Ave more bicycle and pedestrian friendly. The downtown area received a number of improved sidewalks and bike lanes (part of Segments 1 and 2).

Alameda de las Pulgas Corridor is in the beginning stages of design for improving mobility. Maintenance improvements were performed both through scheduled work and the Parking and Traffic Safety Committee (PTSC) requests. Other upgrades include:

- 3,000 sf of Green Pavement Markings installed
- 2 Pedestrian Hybrid Beacons installed
- 21 Curb Ramps installed
- 9,900 sf of Paver Sidewalk installed
- 2,600 sf of Concrete Sidewalk installed



#### BIKE AND CAR SHARING

The City provides employees Commute.org alternatives and incentives such as promoting Bike to Work, and City paid admin fee for transit programs.

The City's Health and Wellness program encourages biking, walking and public transit to get to and from work. and is working toward providing bike racks at all city buildings. An award system is in place for actively taking advantage of alternative ways of getting to work. The City is continually exploring incentives and programs to increase public transportation in ridership among employees.

### WASTE

- Set Higher Diversion Rate Goals
- Commercial Recycling Ordinance
- Yard Waste Ordinance



#### DIVERSION CALCULATOR

#### FIND OUT YOUR WEEKLY DIVERSION RATE



#### SET HIGHER DIVERSION RATE GOALS

As a member agency of the South Bay Waste Management Authority (SBWMA), the City collaborates with Recology and Rethink Waste to comply with environmental legislation and meet waste diversion goals established by CalRecycle, including increased participation in AB1826 and AB1341 recycling & organic waste composting programs.



# COMMERCIAL RECYCLING ORDINANCE

- Assembly Bill 341:
   Mandatory Commercial
   Recycling requires all
   California businesses that
   generate four (4) or more
   cubic yards of garbage
   per week and multi-family
   dwellings with five (5) or
   more units to recycle.
- The purpose of the law is to reduce solid waste sent to landfills, and greenhouse gas emissions.
- The City has an agreement with Recology for all waste/recycling services.

#### MANDATORY COMMERCIAL ORGANICS RECYCLING

#### Are you in compliance?

Assembly Bill 1826 (AB 1826) is a law enacted by the State of California that requires businesses and Multi-Family Dwellings\* (MFD) to recycle organic waste.

#### AS OF APRIL 1, 2016

8 Cubic Yards (or more) per week of Organic waste

#### AS OF JANUARY 1, 2017

4 Cubic Yards (or more) per week of Organic wasto

Organic waste is all food scraps, food soiled paper products, paper towels, coffee grounds & litters, meat, bones, fish, dairy, waxed cardboard, pizza boxes, clean wood and yard waste.

"MFD's are not required to recycle food waste, but must onsure that yard waste and landscape materials generated on-site are recycled.

#### QUESTIONS?

Contact Recology's Waste Zero Team 650.595.3900

GreenYourBiz@Recology.com RecologySanMateoCounty.com



## YARD WASTE ORDINANCE

- Assembly Bill 1826

   Law requires
   businesses and multifamily complexes that generate two or more cubic yards of solid waste, recycling, and organic waste combined per week must have organics collection services.
- Gardening or landscaping service offered to impacted businesses are also subject to AB1826 and businesses must ensure that this organic waste is recycled.

## #ChooseToReuse







#### Reuse-Waste Reduction

In November 2020
 the City adopted
 the SMCO
 Foodservice Ware
 Ordinance (Ord.
 2020-1154) to
 eliminate single use food service
 ware.

### WATER

- Water Conservation Ordinance
- Water Conservation incentives







#### WATER CONSERVATION ORDINANCE

State Legislation AB1668 and SB606 for water conservation and drought planning was adopted in 2018. The Dept. of Water Resource and the State Water Control Board developed a handbook outlining timeline, responsibilities, and requirements of State agencies and water suppliers during implementation.

Mid-Pen Water is a BAWSCA member agency, and provides Belmont water service and reports annually to the Water Board.



#### WATER CONSERVATION INCENTIVES

- MPWD's Water
   Conservation and Incentive
   Programs are in
   conjunction with BAWSCA
   for rebates &
   incentives, community
   outreach, education, and
   workshops.
- They also participate at the City's Annual Earth Day Event and Public Works Week as another avenue to promote water conservation and provide free giveaways that help reduce water usage.

### Next Steps – Climate Action Plan





# ENERGY REACH CODES





### What is Peninsula Clean Energy?



Peninsula Clean
Energy is the official
electricity provider
for San Mateo
County providing
cleaner power at
lower rates

### **Energy Reach Codes**



Launched in 2016 by San Mateo County and all 20 cities to:

- Provide cleaner energy & lower rates
- Reduce climate pollution
- Foster economic development

Savings of more than \$18 million/year for accounts across San Mateo County

#### What are Reach Codes?



- Councils adopt new building codes this year as part of the State's 3-year building code cycle
- Reach codes are local enhancements to state code
- PCE initiative aimed at improved economic and Energy performance for new construction

#### Addresses:

- 1. Building electrification reduced use of natural gas
- 2. Electric vehicle (EV) charging increased EV readiness

## **Summary of Benefits**

### Over \$50M/yr

San Mateo Co "fuel" savings by reaching 45,000 EVs in 2025

1-2 tons CO2

avoided per year for every home

- Major economic value for residents
- Safer and healthier homes
- Advance climate goals
- Enable much greater EV adoption
- Fiscal prudence more cost effective to address at new construction

### Fire & Health



- Ignition Source: Natural gas is a significant fire ignition source
  - Pipeline fires: San Bruno, San Francisco
  - Half of earthquake fires
- Safer Equipment: Induction ranges automatically turn off, eliminating a leading cause of house fires
- Faster Recovery:
   Electrical distribution
   recovery is repaired faster
   than natural gas
- Health: Gas stoves in homes increase children's asthma risk by 42%

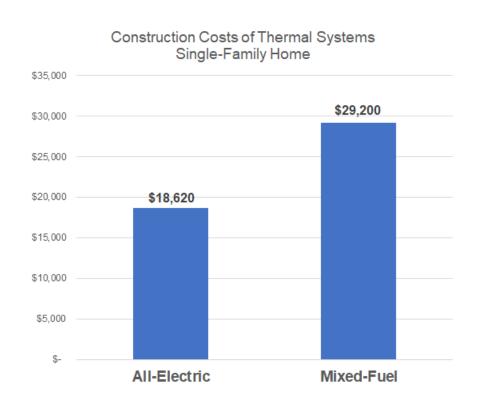
# Stoves: Consumer Reports Prefers Induction

| Model                                  | Rating   | Cost   |  |
|--|--|--|--|
| Kenmore Elite 95073                    | 89   | \$1,530  |  |
| Kenmore 95103                          | 88   | \$1,000  |  |
| Samsung NE58F9710WS                    | 85   | \$1,800  |  |
| GE Profile PHS930SLSS                  | 83   | \$2,430  |  |
| oothtop Samsung NE59J7850WS            |  | \$1,300  |  |
| Electric Smoothtop Samsung NE59J7750WS |  | \$1,600  |  |
| LG LSE4617ST                           | 82   | \$3,330  |  |
| Frigidaire Gallery FGIF3036TF          | 82   | \$990  |  |
| LG Signature LUTD4919SN                | 81   | \$3,000  |  |
|  | Kenmore Elite 95073 Kenmore 95103 Samsung NE58F9710WS GE Profile PHS930SLSS Samsung NE59J7850WS Samsung NE59J7750WS LG LSE4617ST Frigidaire Gallery FGIF3036TF | Kenmore Elite 95073       89         Kenmore 95103       88         Samsung NE58F9710WS       85         GE Profile PHS930SLSS       83         Samsung NE59J7850WS       82         Samsung NE59J7750WS       82         LG LSE4617ST       82         Frigidaire Gallery FGIF3036TF       82 |  |

Top 9 Ranges in 2018 were electric-top 2 were Induction

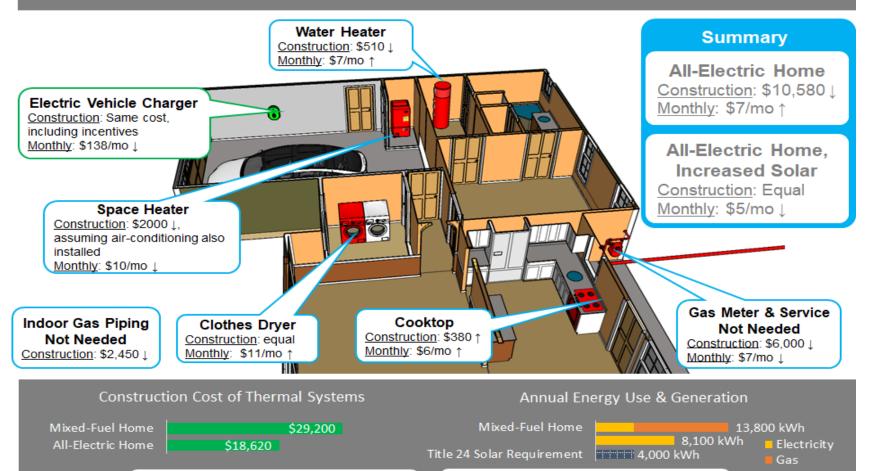


# All-Electric New Construction costs Less Than With Gas



- All-electric homes are less expensive to build
- Natural gas plumbing, metering and venting is not required
- Multiple independent analysis including California Energy Commission and University of California
- University of California commits to all-electric construction for all new buildings

#### Electrifying New Single Family Homes in the Bay Area – The Cost Story



3 MT CO2e Carbon Emissions Savings per

home, per year based on 2030 grid mix

\$191 Net Lifecycle Cost Savings per year for

an all-electric home versus the mixed-fuel

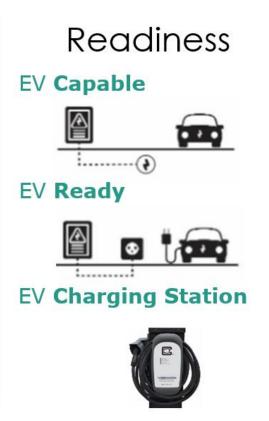
equivalent

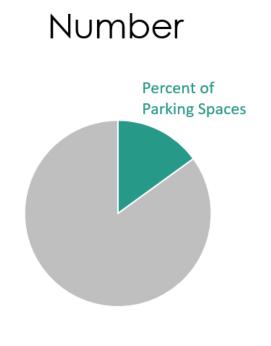
## **Building Code Options**

| Reach Code Type   | How it Works   |
|---|--|
| Natural gas "ban"                                       | No gas hookup allowed  |
| All-Electric Required with limited gas use              | Requires most appliances to be electric in the electric code |
| Choice of All-Electric or High-Efficiency<br>Mixed-Fuel | Creates preference for all-electric                          |

## **Electric Vehicle Code Options**

## Speed Level 1 "Trickle Charging" Level 2 "Standard Charging" Level 3 "DC Fast / SuperCharging"





## **Summary**

| Code Element     | Approach  |
|------------------|---|
|                  | All-Electric for space, water, dryers   |
| Building         | <ul> <li>May include option for gas stoves</li> </ul>   |
| Electrification  | <ul> <li>May include options for gas in building classes – ex: kitchens, labs</li> <li>Optional expanded solar on multi-family and non-residential</li> </ul> |
|                  | Provides "plug and play" access to vehicle charging   |
| Electric Vehicle | <ul> <li>Single family: Level 2 and Level 1</li> </ul>  |
| Readiness        | <ul> <li>Multi-unit dwellings: one "EV Ready" space per unit</li> </ul>   |
| 11000            | Office: 10% Level 2, 10% Level 1, and 30% EV Capable  |
|                  | <ul> <li>Other: 6% Level 2 and 5% Level 1 installed (Fast Charge option)</li> </ul>   |

\*PCE will provide funding support for affordable housing to address EV measures

## **Summary – Part 2**

| Code Element               | Approach   |
|----------------------------|--|
| Building Electrification   | <ul> <li>Through Energy Code amendments, the City can:</li> <li>Require all electric for specific energy end uses</li> <li>Adopt a reach code that encourages all-electric new construction, but still allows for gas for all energy uses.</li> <li>Not adopt a reach code</li> </ul>  |
| Electric Vehicle Readiness | <ul> <li>Provides "plug and play" access to vehicle charging</li> <li>Single family: Level 2 (dryer outlet power) and Level 1 (standard 110v outlet)</li> <li>Multi-unit dwellings: one "EV Ready" space per unit*</li> <li>Office: 10% Level 2, 10% Level 1, and 30% EV Capable</li> <li>Other Commercial: 6% Level 2 installed and 5% Level 1 installed</li> </ul> |

## Major Concerns (1 of 2)

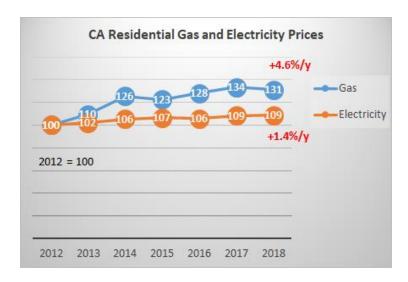
| Concern                          | Response  |
|----------------------------------|---|
| I DISTRIBUTION ARIA LINARAGE ARE | Sometimes true. But costs are usually more than offset from the savings of all-electric construction.   |
| Resilience, power-shutoffs       | Natural gas generally not an option as gas equipment depends on electricity. In emergencies gas is also shut-off. State policy for grid hardening is key.   |
| Uniformity                       | Fair Concern, but All-Electric is Simpler & Not Adopting Ensures Future Risk. PCE and regional partners are encouraging consistency. All-electric is simple and inaction locks in future cost (retrofits, rates) and risk (fire). |

## Major Concerns (2 of 2)

| Concern                    | Response  |
|----------------------------|---|
|                            | False. All-electric heat pumps are highly efficient and   |
| All-Electric heating       | effective in weather far colder than ours. DOE studies  |
| uses too much              | show heat pump space heaters as highly efficient at as  |
| energy or can't work       | little as 5 degrees Fahrenheit. California Energy   |
| in our cool climate        | Commissions cost effectiveness studies also show high efficiency.   |
| Energy is not clean        | False. PCE base service is 80% GHG free today and targets 100% renewable "round the clock" by 2025  |
| Equipment is not available | Mostly false, Training Needed. Heat pumps and induction stoves have a long-established history and are widely adopted in other states. Numerous California institutions and agencies have committed to all-electric buildings. Training is a need PCE will be addressing. |

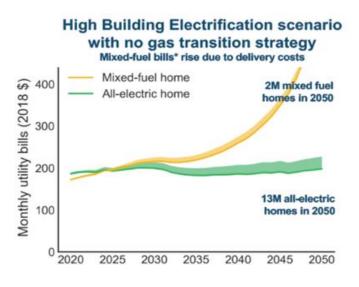
## **Natural Gas Costs Climbing**

CA residential natural gas prices increased 3x faster than electricity prices from 2012 to 2018



CA Source: EIA
https://www.eia.gov/dnav/ng/hist/n3010ca3m.htm
https://www.eia.gov/electricity/data/browser/#/topic/7?agg=2,0,1&g.eo=a&frea=M

Trend expected to accelerate:



CEC Workshop June 6, 2019: Draft Results from E3 study on the Future of Natural Gas Distribution in California

# **Gas Has Limited Use without Electric**







Electric fans required for gas furnaces

#### Water Heating



Electronic ignition required for gas water heaters in California

#### Clothes Drying



Electric motor runs tumbler in gas dryers

#### Cooking



Will work without electricity, must light with match or lighter

The solution for resilient thermal systems is not to use gas, because the systems do not work without electricity. Add resilience by going all-electric with on-site backup generator or energy storage.

### **Resources for Cities**











- \$10,000 grant –
   City is leveraging this funding
- Optional model codes
- Consultant time for questions, customization
- Adoption and implementation tools

## Resources for Implementation



#### What Are R

Reach codes provide homes and commerce all-electric new const electric vehicles.

#### Why Reach

- · Encourage developm
- Reflect the sustainab Improve indoor air qu

Builders and developer can choose between an all-electric or mosel full delectric or mosel full conde encourages fire all-electric option is at its less expensive, provides a healther, safor residence while significantly reducing pollution.



form is only required for New Construction projects. is the building applying for a permit all-electric, or is it mixed-fuel (using gas or propane for some end uses)? Mixed-Fuel All-Electric Does the building's energy model meet California Energy Code (CEC) Compliance? · Does the building meet each of the following requirements? Call-out specifically on electrical and mechanical plans o Is a dedicated 240V, 30A electrical receptacle located within 3 feet of each water Is a dedicated 240V, 30A electrical receptacle located within 3 feet of each Is a dedicated 240V, 50A electrical receptacle located within 3 feet of each cooktop?\_\_\_ Is the air conditioning system capable of operating in heat pump mode? Does the building's energy model perform 15% better than CEC requires? . If prescriptive performance path is selected, does the building meet each of the following requirements in addition to requirements? Call-out specifically on plans Verified low leakage ducts in conditioned space R-10 perimeter slab insulation Meets requirements for "basic compact hot water distribution \_\_\_\_\_\_\_ Fan efficacy of 0.35 Watts/CFM verified by HERS rater If building uses gas or propane for space heating or water heating:

Includes 5 kWh battery storage system \_\_\_\_

Includes solar water heating with 0.20 solar fraction or greater \_\_\_\_\_\_

Compliance with Building Electrification Reach Code - Single Family

Instructions: Fill out form and attach form directly on drawing set for permit review. This

#### **Adoption Resources**

- Ordinance Language
- Staff Report & Slides
- Homeowner Flyer
- FAQs
- Cost Effectiveness Infographic

#### Permitting, enforcement, and inspection resources

- Permit Checklist
- Inspection Checklist
- Training for Building Department Staff
- FAQs

### Request



Staff is seeking City Council input and direction on the most recent model Energy Reach & EV Infrastructure Code Amendments that Staff should develop and return to Council for future consideration and adoption.

# Multi-Jurisdictional Reach Code Summary (San Mateo County)

| City Status      |                        | Reach Code Type |          |                       |                     |                      |                      |
|------------------|------------------------|-----------------|----------|-----------------------|---------------------|----------------------|----------------------|
|                  |                        | Status          | No Reach | Electric<br>Preferred | All-Electric*       | Natural Gas<br>Bans* | EV<br>Infrastructure |
|                  | Atherton               | Adopted         | X        |                       |                     |                      |                      |
|                  | Brisbane               | Adopted         |          |                       | X                   |                      |                      |
|                  | Burlingame             | Adopted         |          |                       | X                   |                      | X                    |
|                  | Colma                  | Adopted         |          | X                     |                     |                      | X                    |
|                  | Daly City              | Evaluating      |          |                       | Evaluating          |                      |                      |
|                  | East Palo Alto         | Adopted         |          |                       | X                   |                      | X                    |
| San Mateo County | Menlo Park             | Adopted         |          |                       | X                   |                      | X                    |
|                  | Millbrae               | Adopted         |          |                       | X                   |                      | X                    |
|                  | Pacifica               | Adopted         |          |                       | X                   |                      |                      |
| M M              | Redwood City           | Adopted         |          |                       | X                   |                      | X                    |
| Sa               | San Bruno              | Evaluating      |          |                       |                     |                      |                      |
|                  | San Carlos             | Adopted         |          |                       | X                   |                      | X                    |
|                  | San Mateo              | Adopted         |          |                       | X                   |                      | X                    |
|                  | San Mateo County       | Adopted         |          |                       | X                   |                      | X                    |
|                  | South San<br>Francisco | Evaluating      |          |                       | Evaluating<br>(Res) |                      | X                    |
|                  | Woodside               | Adopted         | X        |                       |                     |                      |                      |

# Multi-Jurisdictional Reach Code Summary (Santa Clara County)

| City               |                 |         | Reach Code Type |                       |               |                      |                      |  |
|--------------------|-----------------|---------|-----------------|-----------------------|---------------|----------------------|----------------------|--|
|                    |                 | Status  | No Reach        | Electric<br>Preferred | All-Electric* | Natural Gas<br>Bans* | EV<br>Infrastructure |  |
|                    | Campbell        | Adopted |                 |                       | X (Res)       |                      | X                    |  |
|                    | Cupertino       | Adopted |                 |                       | X             |                      | X                    |  |
|                    | Gilroy          | Adopted | X               |                       |               |                      |                      |  |
|                    | Los Altos       | Adopted |                 |                       | X             |                      |                      |  |
| ınty               | Los Altos Hills | Adopted |                 |                       | X (Res)       |                      |                      |  |
| Santa Clara County | Los Gatos       | Adopted |                 |                       | X (Res)       |                      | X                    |  |
| lara               | Milpitas        | Adopted |                 | X                     |               |                      | X                    |  |
| za C               | Morgan Hill     | Adopted |                 |                       |               | X                    |                      |  |
| Sant               | Mountain View   | Adopted |                 |                       | X             |                      | X                    |  |
|                    | Palo Alto       | Adopted |                 | X (NonRes)            | X (Res)       |                      | X                    |  |
|                    | San Jose        | Adopted |                 |                       |               | X                    | X                    |  |
|                    | Saratoga        | Adopted |                 |                       | X             |                      |                      |  |
|                    | Sunnyvale       | Adopted |                 |                       | X             |                      |                      |  |

## Multi-Jurisdictional Reach Code Summary (Other Regional Cities)

|           |               | Reach Code Type |          |                       |               |                      |                      |
|-----------|---------------|-----------------|----------|-----------------------|---------------|----------------------|----------------------|
|           | City          | Status          | No Reach | Electric<br>Preferred | All-Electric* | Natural Gas<br>Bans* | EV<br>Infrastructure |
|           | Alameda       | Adopted         |          |                       |               | X<br>(Municipal)     |                      |
|           | Albany        | Adopted         |          | X                     |               |                      |                      |
|           | Berkeley      | Adopted         |          | X                     |               | X                    | X                    |
|           | Hayward       | Adopted         |          | X (NonRes)            | X (Res)       |                      |                      |
|           | Marin County  | Adopted         |          | X                     |               |                      |                      |
| Neighbors | Mill Valley   | Adopted         |          | X (Res)               |               |                      | X                    |
| lighl     | Oakland       | Adopted         |          |                       |               | X                    |                      |
| ž         | Piedmont      | Adopted         |          |                       | X (Res)       |                      |                      |
|           | Richmond      | Adopted         |          |                       | X             |                      |                      |
|           | San Anselmo   | Adopted         |          | X                     |               |                      |                      |
|           | San Francisco | Adopted         |          |                       |               | X                    | X                    |
|           | Santa Cruz    | Adopted         |          |                       |               | X                    |                      |
|           | Santa Rosa    | Adopted         |          |                       | X (Res)       |                      |                      |

### Contact



•Website:

www.PeninsulaReachCodes.org

•Contact:

Rafael Reyes Director of Energy Programs

Rreyes@peninsulacleanenergy.com (650) 260-0087

Denise Lin
Sustainability Coordinator
County of San Mateo
<a href="mailto:dlin@smcgov.org">dlin@smcgov.org</a>

## **Energy Reach/EV Model Codes**



Questions?

Thank you!

